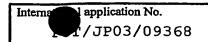
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A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ H01M8/02, H01M8/10, H01B1/06				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols)				
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considered to be of particular relevance "E" earlier document but published on or after the international fitting	considered to be of particular relevance understand the principle or theory underlying the invention			
date considered novel or cannot be considered to involve an inventive				
"L" document which may throw doubts on priority claim(s) or which cited to establish the publication date of another citation or other	"Y" document of particular relevance; the	claimed invention cannot be		
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other	considered to involve an inventive step combined with one or more other such	documents, such		
means document published prior to the international filing date but later than the priority date claimed	means combination being obvious to a person skilled in the art document published prior to the international filing date but later document member of the same patent family			
Date of the actual completion of the international search Date of mailing of the international search report				
05 December, 2003 (05.12.03) 16 December, 2003 (16.12.03)				
arme and mailing address of the ISA/ Japanese Patent Office Authorized officer]		
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